



D488 INDUSTRIAL CLEANER

PRODUCT DESCRIPTION

A highly concentrated alkaline cleaner designed for many different types of cleaning jobs, ranging from the cleaning of small appliances to removal of grease from floors and industrial machinery. D488 is suitable for cleaning concrete, linoleum, ceramic tiles, painted walls, restaurant kitchen floors, vinyl surfaces, oven hoods and any washable surface subject to pre-testing.

- Heavy duty formula for oily and greasy soils.
- Water-based, non-flammable.
- Wide range multi-surface product.
- Use on floors, walls, appliances and machinery.
- Fire restoration and industrial clean-up.

DIRECTIONS FOR USE

Always pre-test surface with diluted solution before proceeding.

Not recommended for use on aluminium, wood, carpet, fabric and polished or delicate surfaces. Use with caution on painted surfaces and plastics.

Light cleaning: Dilute 10 to 30ml D488 per litre of hot water (1 to 50).

General cleaning: Dilute 30 to 60ml D488 per litre of hot water (1 to 25).

Heavy duty: Dilute up to 250ml D488 per litre of hot water for fire restoration and degreasing (1 to 4).

Apply solution by sprayer or applicator, then scrub to remove soil.

Rinse surface thoroughly with clean water or Prochem acidic rinse solution.

Code	Unit	Case Qty
D488-05	5L	4 x 5L

Important - See Page 2 for Safety Data Information

PHYSICAL AND CHEMICAL PROPERTIES	
Form	- Liquid
Appearance	- Low foam
Colour	- Dark blue
Odour	- Mild glycol
pH Concentrate	- 12.5
pH Diluted	- 12
% Active	- 25
% Solids	- 17
Flash Point °C	- None
Boiling Point °C	- 100
Density (Water = 100)	- 105
Solubility (Water) %	- 100

COMPOSITION / INFORMATION ON INGREDIENTS			
SUBSTANCE	RISK	CAS NO.	% W/W (EC RANGE)
Water	-	-	More than 30%
Dipropylene glycol ether	-	-	5 to 15%
Phosphates	Xi R36/38	7601-54-9	Less than 5%
Silicates	C R34 Xi R37	6834-92-0	Less than 5%
EDTA	Xn R22 Xi R36	64-02-8	Less than 5%
Non-ionic surfactant	Xn R22 Xi R36	68131-39-5	Less than 5%
Anionic surfactant	-	-	Less than 5%
Dye	-	-	Less than 1%

Manufactured by :

Professional Chemical & Equipment Company Ltd.
Oakcroft Road,
Chessington,
Surrey KT9 1RH, UK.
Tel No: 020 8974 1515
Fax No: 020 8974 1511
URL: www.prochem.co.uk
Email: sales@prochem.co.uk

Your Authorised Prochem Distributor :

SAFETY DATA SHEET - Prochem D488 Industrial Cleaner (Continued)

HAZARDS IDENTIFICATION

Eye Contact - Contact with concentrate may cause eye irritation.

Skin Contact - Prolonged or repeated contact with concentrate may cause irritation and possible dermatitis.

Inhalation - Breathing spray may cause temporary irritation of the nose and throat.

Ingestion - Ingestion of concentrate may produce nausea, irritation and possible systemic effects.

Environment - Raw materials are biodegradable. Solvent has low aquatic and animal toxicity. See Ecological Information.

FIRST AID MEASURES

Eye Contact - Flush immediately with water for 10 minutes, then seek medical attention.

Skin Contact - Flush skin with plenty of water. Seek medical attention if any skin irritation persists.

Inhalation - Get fresh air and seek medical assistance if breathing irritation persists.

Ingestion - If small amounts are ingested, drink water and seek immediate medical attention. Do not give anything by mouth if patient is unconscious. If large amounts are ingested and patient is fully conscious, induce vomiting.

FIRE FIGHTING MEASURES

Extinguishing Media - Product is not flammable. Use water, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.

Fire/Explosion Hazards - No explosion hazard.

Decomposition Products - Exposure to fire may liberate carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.

Special Protective Equipment - Self contained breathing apparatus for large amounts involved in fire.

ACCIDENTAL RELEASE

Personal Protection - Protective clothing, rubber gloves, chemical splash goggles.

Containment and Disposal - Large spills should be treated with dry absorbent and disposed at legal waste disposal site. Small spills can be flushed with water to sewage drain linked to waste treatment facility.

HANDLING AND STORAGE

Handling Precautions - Wear rubber gloves and safety glasses when handling concentrate.

Storage Precautions - Avoid extremes of temperature. Keep out of reach of children. Keep in original container.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection - Side shield safety glasses are recommended when handling concentrate or during spray application.

Protective Clothing - Standard work clothing and rubber gloves.

Respiratory Protection - Not normally required. A dust mask is recommended during fine spraying applications if sensitive to product.

Ventilation - Normal air circulation. Allow adequate ventilation in enclosed areas.

Hygiene - Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

STABILITY AND REACTIVITY

Stability - Stable

Conditions to Avoid - Extreme heat.

Incompatibility (Materials to Avoid) - Strong acids and oxidising agents.

Hazardous Decomposition Products - Exposure to fire may liberate carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.

Hazardous Polymerisation - Will not occur

TOXICOLOGICAL INFORMATION

Eye Contact - Contact with concentrate may produce moderate to severe irritation and possible injury if not promptly rinsed.

Skin Contact - Prolonged or repeated contact may cause irritation and possible mild dermatitis.

Inhalation - Possible respiratory irritation by wetting agents in atomised spray form. Possible nervous system effects from excessive over-exposure to solvent in concentrated form.

Ingestion - Product is alkaline and mildly corrosive to mucous membranes. Possible systemic effects.

Exposure Limits - OES-LTEL OES-STEL
Dipropylene glycol ether 100ppm Sk 150ppm Sk (ACGIH)

ECOLOGICAL INFORMATION

This product contains EDTA and Alcohol Ethoxylate which may be harmful to aquatic organisms. The raw material ingredients in this product are biodegradable within the scope of current EC legislation and are considered to be of low toxicity to animal wildlife.

The major packaging materials of polyethylene and fibreboard are recyclable.

DISPOSAL CONSIDERATIONS

Waste cleaning effluent should be discharged to a sewage drain, which is linked to a local sewage and waste treatment facility. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site. Large quantities of product for disposal should be consigned to a licensed haulier in accordance with UK and EC regulations.

TRANSPORT INFORMATION

Classification for Transport

Not classified as hazardous for transport

UN NO. / SI NO. - None

IATA / ICAO Class (Air) - None

IMDG / IMO Class (Sea) - None

ADR / RID Class (Road /Rail) - None

Packaging Group - None

REGULATORY INFORMATION

Classification

Not classified as hazardous for supply

Risk Phrases

None

Safety Phrases

S2 Keep out of reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of water.

S37 Wear suitable gloves

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP) 1994** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 1994** (as amended) and the **MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1992** (as amended).

This safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety regulations.

OTHER INFORMATION

For additional information on safety, training and use of this product, contact the supplier.

This product is intended for professional use only.

The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.

EMERGENCY ACTION

In the event of a medical enquiry involving this product please contact your doctor or local hospital accident and emergency department, who may seek advice from the National Poisons Information Service, where our full product details are held.